

**REMARKS**

Applicant has carefully reviewed the Office Action dated March 27, 2006. Applicant has amended Claims 1 and 5 to more clearly point out the present inventive concept. Reconsideration and favorable action is respectfully requested.

Claims 1 through 15 are pending in this Application.

Claims 1 and 5 have been amended.

**Regarding the Specification**

Applicant appreciates the Examiner providing the guidelines for the preferred layout for the Specification of a Utility Application. Applicant has amended the Specification by placing headings between the appropriate paragraphs in the Specification.

**Regarding the Claim Objections**

Claim 1 was objected to because of a spelling error. Applicant has amended Claim 1 eliminating the spelling error. Applicant respectfully requests that the claim objection be withdrawn.

**Regarding the § 103 Rejection**

Claims 1, 2, 4, 5, 10 and 11 were rejected under 35 U.S.C. § 103(a) as being rendered obvious by *Lauer et al.* (U.S. Patent No. 5,523,769) in view of *Tamanoi* (U.S. Patent No. 5,565,885).

Applicant respectfully points out that *Lauer* is directed to a high resolution modular large screen display that is divided into a plurality of active modules. The *Lauer* megapixel displays are shown in one *Lauer* embodiment in Figure 1A as module 12. The modules 12 are arranged

AMENDMENT AND RESPONSE

5

SN: 10/501,687

Atty. Docket No.: NL 020028 USA

PELT-27,797

in a 5 module wide by 2 module high display unit that is approximately six feet by two feet in dimension. See column 6, lines 32 through 36 of *Lauer*. Each *Lauer* module is a separate device. See Figure 4, element 50 and Figure 1A, element 12. Each *Lauer* module 50 comprises one group of pixels thereon. The *Lauer* modules 50 do not have multiple groups of pixels thereon. The modules 50 are provided "in an array with essential module 50' being provided with structured data over a high bandwidth channel 51 from a structured data generator 52. Each of the active modules 50 has its own processor so that only structured data may be sent to this active module." Applicant respectfully points out that the single group of pixels found on a *Lauer* module 50 has only one processor for the entire group of pixels. Applicant submits that *Lauer* does not teach, allude to, or render obvious a substrate that has "groups of pixels wherein each group of pixels is within a separate defined area on said substrate." Furthermore, *Lauer* does not teach, allude to, or render obvious that there are a "plurality of semiconductor devices, wherein each semiconductor device is mainly associated with a different group of pixels, and wherein each semiconductor device is positioned within the defined area of the group of pixels that it is mainly associated with."

Although *Tamanoi* teaches a display device comprising a substrate, Applicant respectfully submits that *Tamanoi* does not teach, allude to, or render obvious "a plurality of semiconductor devices, wherein each semiconductor device is mainly associated with a different group of pixels, and wherein each semiconductor device is positioned within the defined area of the group of pixels that it is mainly associated with." Instead, *Tamanoi* teaches a plurality of semiconductor integrated circuit chips 18 that are formed "around the panel 16 such that they surround the panel." See *Tamanoi*, column 3, lines 20 through 31.

Regarding Claim 1, as amended, this claim recites, among other things, "a plurality of semiconductor devices, wherein each semiconductor device is mainly associated with a different group of pixels, and wherein each semiconductor device is positioned within the defined area of the group of pixels that it is mainly associated with." As such, Applicant respectfully submits that Claim 1 is not rendered obvious by the cited art and respectfully requests that the § 103 rejection be withdrawn.

The remaining claims, 2, 4, 5, 10 and 11 are each either directly or indirectly dependent upon Claim 1 and are therefore not rendered obvious for at least the same reasons as discussed above with respect to Claim 1. Applicant respectfully requests that the § 103 rejection be withdrawn.

Claims 3, 6, 7, 8, 9 and 12 were rejected under 35 U.S.C. § 103(a) as being rendered obvious by *Lauer* and *Tamanoi* in view of *Anwyl et al.* (U.S. Patent No. 5,576,738). Applicant respectfully points out that *Anwyl* does not remedy the deficiencies of the *Lauer* and *Tamanoi* references discussed above. Further, Applicant submits that Claims 3, 6, 7, 8, 9 and 12 are each either directly or indirectly dependent upon Claim 1 and therefore these claims are not rendered obvious by the cited art. Applicant respectfully requests that the § 103 rejection be withdrawn.

Claims 13 and 14 were rejected under 35 U.S.C. § 103(a) for being rendered obvious by *Lauer* and *Tamanoi*, and further in view of *Takeda* (U.S. Patent No. 4,903,013). Furthermore, Claim 15 was rejected under 35 U.S.C. § 103(a) as being rendered obvious by *Lauer* and *Tamanoi* and further in view of *Nakano et al.* (U.S. Patent No. 6,529,181). Applicant respectfully points out that the Claims 13, 14 and 15 are each either directly or indirectly dependent upon Claim 1 and that the additional cited references, *Takeda* and *Nakano*, do not remedy the deficiencies of the *Lauer* and *Tamanoi* references. As such, Applicant respectfully requests that the § 103 rejection be withdrawn and submits that all the claims are now ready for allowance.

SENT BY: HOWISON, & ARNO;

972 479 0464

; SEP-21-06 2:18PM;

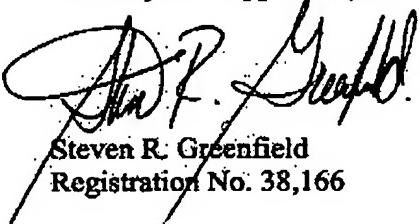
PAGE 12/12

RECEIVED  
CENTRAL FAX CENTER

SEP 21 2006

Applicant has now made an earnest attempt in order to place this case in condition for allowance. For the reasons stated above, Applicant respectfully requests full allowance of the claims as amended. Please charge any additional fees or deficiencies in fees or credit any overpayment to Deposit Account No. 20-0780/PELT-27,797 of HOWISON & ARNOTT, L.L.P.

Respectfully submitted,  
HOWISON & ARNOTT, L.L.P.  
Attorneys for Applicant(s)



9-21-2006

Steven R. Greenfield  
Registration No. 38,166

SRG/dd

P.O. Box 741715  
Dallas, Texas 75374-1715  
Tel: 972-479-0462  
Fax: 972-479-0464  
September 21, 2006

AMENDMENT AND RESPONSE  
SN: 10/501,687  
Atty. Docket No.: NL 020028 USA  
PELT-27,797

8